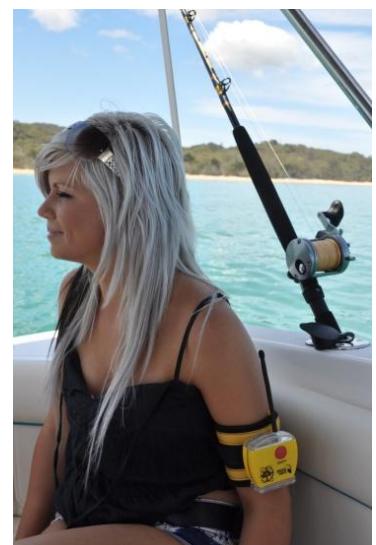
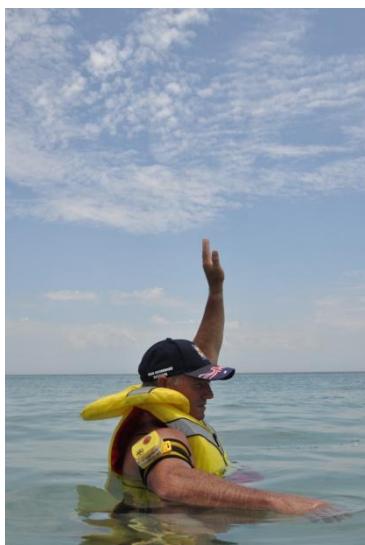




SEASAFE

MODEL SSTX/01 & SSTX/DV

**PERSONAL MAN-OVERBOARD and LOST-DIVER
ALARM & TRACKING TRANSMITTER**



USER MANUAL

www.sea-safe.com.au

Seasafe SSTX/01 & SSTX/DV Transmitter User Manual

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1. Technical Support

For any technical questions or for support, please contact your local Seasafe distributor or visit:

Internet: www.sea-safe.com.au
Email: info@sea-safe.com.au
Telephone: +61 7 3390 2287

2. Warranty

Seasafe warrants this product to be free from defects in materials and workmanship for 36 months after the date of purchase. If your Seasafe personal transmitter is found to be defective within that time, we will promptly repair or replace it. This warranty does not cover accidental damage, wear and tear, or consequential or incidental loss. This warranty is conditional upon regular maintenance and battery replacement undertaken by an authorised Seasafe agent. Optional Lifetime Warranty is available. Either complete the warranty form at the back of this manual and hand to your Seasafe dealer or alternatively register your warranty at www.sea-safe.com.au

3. Regulatory Compliance

This device complies with AS 4268.2 as amended by LIPD (Low Interference Potential Device) 24 August 2005. In particular table ZZ1. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including any interference that may cause undesired operation.

- ◆  N15546
- ◆  1999/5/EC (ETSI EN 300 220-2, ETSI EN 300 220-1, ETSI EN 301 489-1, ETSI EN 301 489-3, EN 61000-3-2, EN 6100-3-3)
- ◆ AS 4268.2

4. Box Contents

Included in the purchase of the Seasafe SSTX/01 & SSTX/DV Personal Alarm & Tracking Transmitter are the following components:

- ◆ Seasafe Model: SSTX/01 or /DV Personal Alarm & Tracking Transmitter
- ◆ Antenna
- ◆ 1 x CR123A Lithium battery
- ◆ 1 x interchangeable arm-band adaptor for optional arm-band
- ◆ 1 x interchangeable belt-clip
- ◆ 1 x neoprene pouch and karabiner. (Not in box. For SSTX/DV)
- ◆ Instruction manual



Seasafe SSTX/01 & SSTX/DV Transmitter Box Contents

Ergonomic Arm-Band or Neoprene Pouch is not supplied in the box but is supplied separately



Neoprene Pouch for Dive Transmitter



Optional Arm-Band for Man-Overboard

5.

Seasafe Model: SSTX/01 Personal Transmitter Lay-out & Controls

Personal Transmitter Front



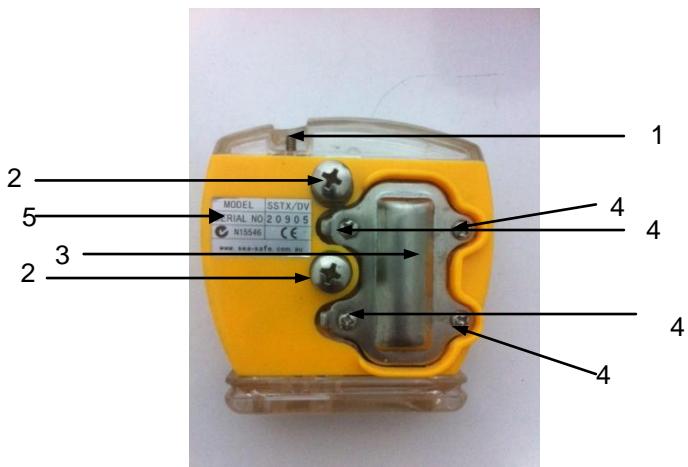
1. Flexible Antenna
2. Manual On/Off Button
3. Clear Lens with Flashing Red LED (when activated)

Personal SSTX/01 Transmitter Bottom



1. Automatic Water-Activation Sensors

Personal SSTX/01 Transmitter Back



1. Flexible Antenna screw mount
2. Arm-Band Mounting Adapter / Belt-Clip mounting screws
3. Stainless Steel Battery Compartment Cover
4. Battery Compartment Cover Screws
5. Serial number/data label

6. Equipment Introduction

Congratulations on your purchase of the Seasafe SSTX/01 or SSTX/DV Personal Alarm and Tracking Transmitter. Used in conjunction with the Seasafe SSRX/01 Alarm & Tracking Receiver, the Seasafe system represents a major breakthrough in personal tracking and location technology.

Please remember that the Seasafe system is an Aid to rescue only and DOES NOT guarantee your safety. This at all times remains the responsibility of the individual.

Before using the Seasafe system is important that you ensure the equipment complies with any or all standards and regulations which may pertain to the prospective country/s in which you intend to use the system.

The Seasafe system is a stand-alone and self-contained Alarm, Tracking & Location system. It operates independently of traditional EPIRB satellite and International Emergency Frequency based systems. Seasafe allows non-critical and critical situations to be responded to immediately at the time and place at which they occur. The system is not reliant on a response from National or International Search & Rescue Authorities and allows a response to be undertaken immediately an emergency occurs.

The Seasafe system may be used in any marine or land-based pursuit whereby a person may become lost, disorientated or in need of assistance.

7. Equipment Specification

Frequency.....	173 - 174 MHz
Dimensions.....	80mm H x 78mm W x 32mm D
Weight (with battery).....	+/- 140 g
Temperature tolerance.....	-10° C to +55° C
Frequency Stability.....	.15 PPM
Transmitter Power.....	60 Milliwatts nominal at antenna terminal
Radiated Power.....	Approx 8 Milliwatts
Modulation.....	+/- 3 KHz
Water resistance Model: SSTX/01.....	Maximum 10 metres underwater
Water resistance Model: SSTX/DV.....	Maximum 100 metres under water
Spurious Radiation.....	< 0.1 uW (-40 DBM)
Power requirement.....	3VDC Lithium cell
'C-Tick' compliance registration number.....	N15546
Australia / New Zealand Compliance.....	AS 4268.2
European CE conformance.....	1999/5/EC

Model: SSTX/01 – Suitable for Manual or Automatic Man-Overboard Operation

The Seasafe SSTX/01 is a personal tracking and location device which works on a transmitted radio frequency signal in conjunction with the SSRX/01 Tracking and Location receiver. The transmitter can be used in ANY land or marine based activity whereby a person may become lost, in distress or requiring medical attention. The distance over which the transmitter signal may be received is dependent on a number of factors including but not limited to; prevailing weather conditions, sea state, wave height, line-of-sight obstructions, receiver antenna height and cloud cover. Generally, the higher the transmitter is above the ground, the longer the transmitted range. The same principle applies to the height of the receiver antenna.

a. Battery – Important Information

Upon purchase of the SSTX/01 and SSTX/DV and prior to use, the included Lithium battery should be installed into the device. The four battery cover securing screws should be carefully removed and the battery should be inserted into the battery compartment. Utmost care should be made to install the battery the correct way round. The +ve side of the battery should match the ‘+ve’ markings in the battery compartment and the same with the ‘-ve’ markings. Once the battery has been inserted, the battery compartment cover should be carefully screwed back in place making sure the rubber gasket is in place and taking care to tighten the screws beginning at one corner and then tightening the opposite corner screw. Continue to tighten opposite screws until all four are tightly secured. Failure to tighten the screws in this sequence may result in the compartment not sealing correctly. This may allow moisture into the transmitter which will render it un-operational. Do NOT use an electric or cordless screwdriver to tighten these screws as this may cause the battery cover to crack. This will result in the battery compartment leaking when submersed in water. The battery compartment is sealed through the use of black rubber gasket. You must ensure that the gasket is correctly seated into position. If at any time the gasket appears brittle, cracked or not in perfect condition, a replacement battery cover/gasket kit should be installed by your nearest Seasafe dealer. It is essential that in order to maintain your warranty, you return your SSTX/01 or SSTX/DV transmitter to an authorised dealer for battery replacement. This will ensure that the battery is correctly installed and the gasket inspected and/or replaced if necessary.

The battery must be replaced with a new one, at least every 12 months. This will ensure that the battery is always in a fully charged condition.

If the transmitter has been activated for any length of time during the 12 month period, it MUST be replaced immediately. Once the battery has been installed, you may test the transmitter by depressing the “On/Off” switch TWICE in succession for approximately half a second each time, within a 5 second timeframe until the red LED begins to flash. The transmitter should then be immediately turned off by again by depressing the “On/Off” switch for approximately 1 second until the red LED flashes several times in quick succession. The LED should not flash again at this stage. When testing the unit, ensure that the **antenna is NOT attached** to the transmitter otherwise the transmitter will activate any Seasafe receivers which may be in range. This may cause a false alarm to be received and an unnecessary response to be initiated.

b. Flexible Antenna

The Seasafe SSTX/01 & SSTX/DV transmitters are supplied with a ‘screw-on’ flexible antenna. Prior to use, the antenna should be securely screwed onto its mounting position at the top of the transmitter. Be sure not to over-tighten the antenna on to its mounting post.

The length of the antenna is extremely important to the operation of the transmitter. If the antenna were to be lengthened or shortened in any way, the transmitter would cease to operate correctly. Care should also be taken not bend the antenna unnecessarily.

c. Attaching the transmitter to your body

The transmitter is provided with a number of mounting options. Included in the box with the transmitter is a ‘belt-clip’ and an ‘arm-band’ mounting adapter. Your transmitter purchase also includes (not supplied in the box) an ergonomic adjustable arm-band adapter (for optional arm-band) for Man-Overboard (SSTX/01) transmitters and a neoprene pouch for Dive (SSTX/DV) transmitters.

The belt-clip and arm-band mounting adapter are interchangeable. On the back of the transmitter are two stainless steel screws. Depending whether you require the belt-clip or arm-band, simply remove the two mounting screws, place the mounting of your choice in position and re-insert the two screws. The belt-clip may be mounted in either the vertical or horizontal planes depending how you intend to wear the device.

If using the arm-band, mount the arm-band adapter to the back of the transmitter and then attach the transmitter to the arm-band. The arm-band may be loosened or tightened by adjusting the clip straps on the arm-band. The arm-band mounted transmitter should be worn on the upper arm (bicep). In this position, if a person falls in the water and assuming they are wearing a life-jacket, the device will be in the most appropriate position for a portion of the antenna to protrude above the water and to transmit a signal. The device will NOT transmit a signal if the antenna is under the water.

When using the belt or webbing clip, the device should be worn in a position which will provide the best opportunity for the antenna to protrude above the water in the event that a person falls overboard. Both the belt-clip and arm-band adapter have additional holes which may be used for attaching a lanyard to a life-jacket or other part of your person.

The Seasafe Man-Overboard Transmitter may also be used with one of our Yoke style personal flotation devices (may be purchased separately) and is integrated into a transmitter pouch on the life jacket.



Seasafe Transmitter fitted to Arm-Band



Rear view of transmitter with Arm-Band mounting adapter



Side view of transmitter showing belt-clip



View of DIVE transmitter with Karabiner, lanyard & button cap



Seasafe MOB transmitter integrated into Yoke style PFD.

d. Man-Overboard Operation

If you intend to use the device as a ‘Man-Overboard’ alarm, once on board the vessel, the transmitter should be attached to your body using one of the methods described above.

The transmitter automatic activation circuit has been designed so as not to activate the transmitter in the event that it is exposed to rain and/or wave splashes normally associated with marine activities.

If you fall overboard or you are knocked unconscious overboard, after 5 seconds in the water (with the water activation sensors immersed) the transmitter will switch on and begin transmitting a signal. Any Seasafe receiver within range will receive an alarm and can begin tracking your signal immediately. If you are conscious and able to, it is recommended that you also manually activate the transmitter by pushing the “On/Off” button as described in the manual activation procedure below. This will ensure that the device continues to transmit even if it is not immersed in the water all of the time. Once you have been rescued or if you no longer require assistance, the transmitter should be switched off by firmly depressing the “On/Off” button for 1 second (if you have also manually activated the device) or by drying off the water sensors (if the device has been automatically activated). This will ensure that persons involved in the search will know that their service is no longer required. At the first available opportunity, the battery in your Seasafe transmitter should be replaced with a new one.

e. Manual-Activation

In the event of an emergency (on land or on water) whereby the Seasafe transmitter has not been activated automatically, then you can manually activate the device through the following procedure: Depress the Red “ON/OFF” button for approximately half a second then release the button. This should then be followed immediately by a second push of the button for half a second. The transmitter will begin to transmit the signal and this will be indicated by the flashing red LED in the top lens of the transmitter. The transmitter should then be left to transmit until such time as you have received assistance or in the event that you no longer require any further assistance. To deactivate the transmitter, depress the red ON/OFF button for approximately 1 second. The red flashing LED in the lens will flash several times quickly and then cease to flash all together. Once the red LED is no longer flashing, the transmitter is now switched off. At the earliest convenience, the battery should be replaced with a new one.

The Seasafe SSTX/01 (Man-Overboard) transmitter is only recommended for use down to a maximum of 10 metres underwater and is not guaranteed for use below this depth.

8.2 Operation Model: SSTX/DV – SUITABLE FOR DIVING TO 100 METRES

a. Lost-Diver Surface Location

The SSTX/DV has been developed specifically for scuba diving applications. This model transmitter can NOT be used for Man-Overboard applications and does not make use of "automatic water activation sensors". The transmitter may only be manually activated and only once the diver has reached the surface. In the event of a diver surfacing out of sight of the dive vessel or if a diver is in need of assistance, the transmitter should be manually activated by using the manual ON/OFF button. In order to activate the transmitter, first unscrew the plastic button protector cap and then the red button should be pressed twice for approximately half a second each time, within a five second time-frame. The red flashing LED will indicate that the device is transmitting. Once a diver has been recovered, the device should be de-activated by holding down the ON/OFF button for approximately one second. The red LED will flash quickly several times and then cease to flash. At the earliest opportunity, the transmitter should be returned to an authorised Seasafe dealer for battery replacement. The plastic button cap should be screwed back on to the device before undertaking any further dives. The transmitter is supplied with a neoprene pouch for easy storage in a BCD pocket or similar. The pouch is supplied with a karabiner and lanyard. The karabiner should be clipped on to the BCD to ensure that the transmitter is still attached to the diver's body and will not drift away if dropped. The rest of the specifications of this device are identical to the Model: SSTX/01 transmitter.

9 COPYRIGHT

Copyright Seasafe® Pty Ltd 2010
International Patents Pending
Specification subject to change without notice

E & OE



(R)

WARRANTY REGISTRATION CERTIFICATE

Date of purchase.....

Place of Purchase.....

Authorised Dealer Name.....

Authorised Dealer Address.....

Authorised Dealer Contact.....

Model Number of Equipment.....

Serial Number of Equipment.....

Name of Purchaser.....

Address of Purchaser.....

Authorised Dealer Stamp

I have read and understand the terms of this warranty.

Signed by Purchaser